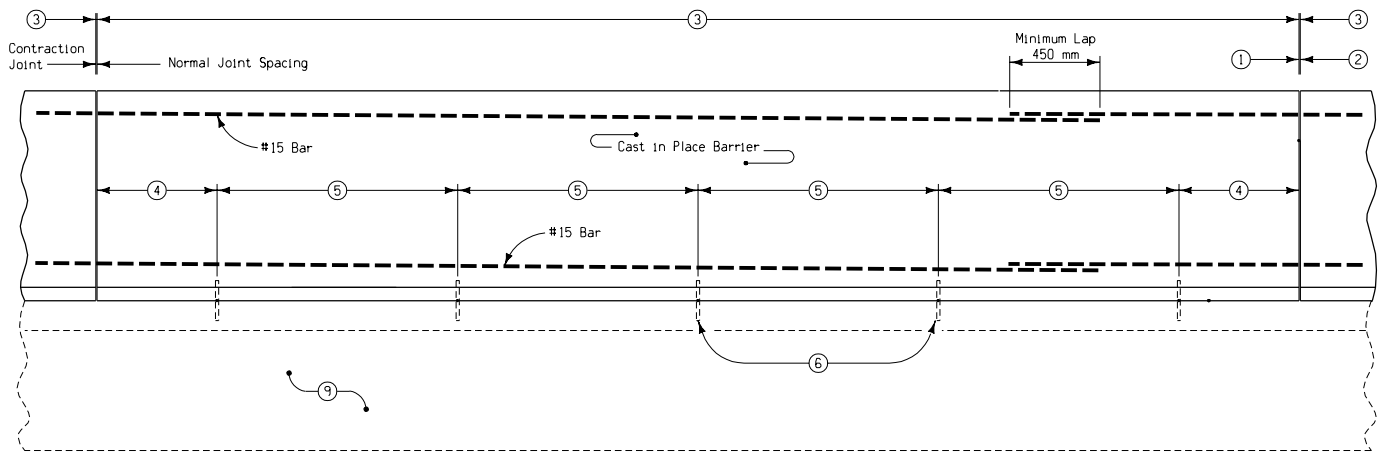
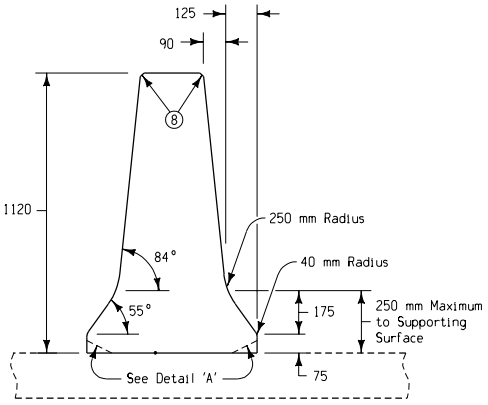
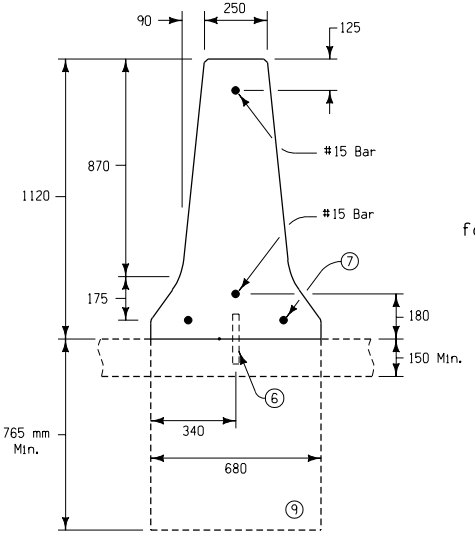


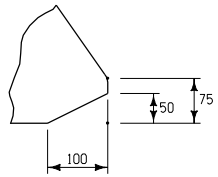
ELEVATION
Cast in Place



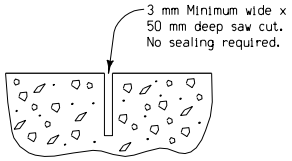
DETAILS OF
F-SHAPE BARRIER FACE



TYPICAL SECTION



DETAIL 'A'
Special Shaping
for Barrier over Intake



DETAILS OF
CONTRACTION JOINT
Saw cut back, top and front face.

GENERAL NOTES

Details shown hereon are for construction of a typical concrete barrier. The F–shape barrier shall be cast in place or slipformed. Refer to "Tabulation of Concrete Barrier" and Project Plans for specific details.

Materials and methods of construction shall be in accordance with current Standard and Supplemental Specifications.

Details shown are typical. Alternate design details may be sub–mitted to the Engineer for approval.

Barrier shall be constructed as specified in Section 2513 of the current specifications or by methods approved by the Engineer.

Dowels shall be either installed in supporting surface when placed or installed in drilled holes using epoxy cement or grout approved by the Engineer.

If footings are required, excavation shall be to neat lines. The footings may be poured without the use of forms. The Contractor may, as an option, form the footings and backfill around the completed footing.

Price bid per meter for "Barrier, Concrete RE–44A" or "Barrier, Concrete RE–44A and Footing" shall be considered full compen–sation for construction of concrete barrier as detailed hereon including reinforcing steel and all necessary excavation and back–fill.

1. Type 'E' Joints are necessary only where specifically required by project plans and the expansion material shall conform to shape of barrier. No sealer is required.
2. Contraction Joints shall be formed by use of pre–molded fiber, pressed wood or other approved material shaped to conform to shape of concrete barrier, or by sawing as indicated hereon. Where abutting sections are placed as sep–arate pours, a butt joint may be used. No filler is required.
3. For barrier doweled to paved shoulders, match pavement joints. For free stand–ing barrier with integral footings, use 6.0 meter maximum, 4.5 meter minimum joint spacing.
4. 300 mm Minimum, 600 mm Maximum.
5. 1.2 meters Typical.
6. 25 mm diameter deformed bars or 25 mm diameter smooth dowels of sufficient length to ensure 100 mm minimum embedment in rail and supporting surface.
7. Possible reinforcing needed such as over intakes or other unsupported areas of 300 mm or more; use #15 bars. Length equals unsupported portion plus 600 mm beyond each way.
8. All exposed corners are to be filleted with a 20 mm dressed and beveled strip.
9. Concrete footing required when not placed on concrete slab.

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Project Development Division

STANDARD ROAD PLAN RE–44A

REVISION: Metric conversion of Standard Road Plan RE-44A no. 5 (dated 12-03-96).

REVISION NO. 5

Davis D. P. Puitt 08-12-96
APPROVED BY DESIGN METHODS ENGINEER

REVISION DATE 12-03-96

DETAILS OF 1120 mm
CONCRETE MEDIAN BARRIER
(FULL SECTION)